**TRANSMITTAL
FORM***(to be used for all correspondence after initial filing)*

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/674,764	
	Filing Date	September 29, 2003	
	First Named Inventor	Sun, Gang	
	Art Unit	1751	
	Examiner Name	To Be Assigned	
Total Number of Pages in This Submission	7	Attorney Docket Number	18062G-002910US

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) <i>(please identify below):</i> References (42); Return Postcard.
<input type="checkbox"/> Remarks		The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual	Townsend and Townsend and Crew LLP Joseph R. Snyder	Reg. No. 39,381
Signature		
Date	April 14, 2004	

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Signature		Date	April 14, 2004




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PATENT
Attorney Docket No.: 18062G-002910US
Client Ref. No.: 2000-342-2

On April 14, 2004

TOWNSEND and TOWNSEND and CREW LLP

By: 

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Gang Sun, et al.

Application No.: 10/674,764

Filed: September 29, 2003

For: REGENERABLE
ANTIMICROBIAL POLYMERS AND
FIBERS WITH OXYGEN BLEACHES

Examiner: To Be Assigned

Art Unit: 1751

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on the attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. In accordance with the Office's waiver, issued in the August 5, 2003 Official Gazette, copies of the cited U.S. patent publications are not enclosed. Copies of all other references are submitted herewith. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

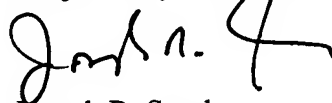
As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no

representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement.

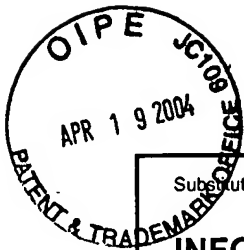
However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



Joseph R. Snyder
Reg. No. 39,381

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60173734 v1



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

4

Complete if Known

Application Number	10/674,764
Filing Date	September 29, 2003
First Named Inventor	Sun, Gang
Art Unit	1751
Examiner Name	To Be Assigned
Attorney Docket Number	18062G-002910US

U.S. PATENT DOCUMENTS+

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	1.	2,950,553	A	08-30-1960	Hurwitz	
	2.	3,285,928	A	11-15-1966	Gubitz	
	3.	3,445,279	A	05-20-1969	Abrahams et al.	
	4.	3,565,824	A	02-23-1971	Pierce et al.	
	5.	3,643,270	A	02-1972	Kirschnek et al.	
	6.	3,812,201	A	05-21-1974	Bey	
	7.	3,817,702	A	06-1974	Paulus et al.	
	8.	3,876,657	A	04-08-1975	Aelony et al.	
	9.	3,971,757	A	07-27-1976	Rasberger	
	10.	4,091,223	A	05-23-1978	Zussman et al.	
	11.	4,241,208	A	12-23-1980	Higashida et al.	
	12.	4,272,622	A	06-1981	Kitamura et al.	
	13.	4,311,479	A	01-1982	Fenn et al.	
	14.	4,407,748	A	10-1983	Gorbacheva et al.	
	15.	5,026,546		06-1991	Hilgers et al.	
	16.	5,059,420	A	10-1991	Scholla et al.	
	17.	5,130,035	A	07-1992	Dell'Armo et al.	
	18.	5,459,145	A	10-17-1995	Saccomano et al.	
	19.	5,490,983	A	02-13-1996	Worley et al.	
	20.	5,576,591	A	04-27-1971	Cusano et al.	
	21.	5,714,127	A	04-08-1975	Aelony et al.	
	22.	5,855,623	A	01-1999	English et al.	
	23.	5,882,357	A	03-16-1999	Sun et al.	
	24.	6,020,491	A	02-01-2000	Chen et al.	
	25.	6,077,319		06-20-200	Sun et al.	
	26.	6,241,783	B1	06-05-2001	Sun	
	27.	6,436,419	B1	08-20-2002	Sun et al.	

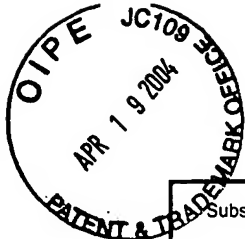
FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	28.	DD	89 846	A	1972	Arnold		<input type="checkbox"/>
	29.	DE	19 00 169	A	09-04-1969	Hercules		<input type="checkbox"/>
	30.	DE	24 37 916	A	02-29-1976	Bayer AG		<input type="checkbox"/>
	31.	DE	24 37 917	A	02-19-1976	Bayer AG		<input type="checkbox"/>
	32.	DE	27 34 618	A	02-09-1978	CIBA Geigy AG		<input type="checkbox"/>
	33.	EP	0 240 370	A	10-07-1987	Sun Chemical Corp.		<input type="checkbox"/>
	34.	FR	1499788	A	01-1968	Rogovin		<input checked="" type="checkbox"/>

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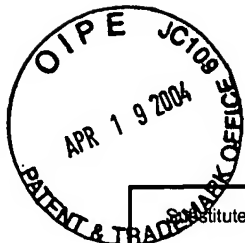


INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	10/674,764		
		Filing Date	September 29, 2003		
		First Named Inventor	Sun, Gang		
		Art Unit	1751		
		Examiner Name	To Be Assigned		
Sheet	2	of	4	Attorney Docket Number	18062G-002910US

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		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	35.	GB	1 474 482	A3	05-25-1977	Hoechst AG		<input type="checkbox"/>
	36.	GB	2,161,399	A	01-15-1986	Turabi		<input type="checkbox"/>
	37.	JP	07102209	A	04-18-1995	Dainippon Ink & Chem.	(Abstract Only)	<input type="checkbox"/>
	38.	JP	08269072	A	10-1996	Matsui	(Abstract Only)	<input type="checkbox"/>
	39.	JP	2000073280	A	03-2000			<input type="checkbox"/>
	40.	WO	94/20118	A	09-15-1994	Univ Auburn		<input type="checkbox"/>
	41.	WO	96/08949	A	03-28-1996	Univ Auburn		<input type="checkbox"/>
	42.	WO	01/14629	A1	03-01-2001	Kellis et al.		<input type="checkbox"/>
	43.	WO	00/15897	A1	03-23-200	Sun et al.		<input type="checkbox"/>
	44.	WO	01/15778	A1	03-08-2001	Sun et al.		<input type="checkbox"/>
	45.	WO	01/72715	A2	10-04-2001	Sun et al.		<input type="checkbox"/>
	46.	WO	01/97617	A1	12-27-2001	Sun et al.		<input type="checkbox"/>
	47.	WO	02/22923	A2	03-21-2002	Sun et al.		<input type="checkbox"/>
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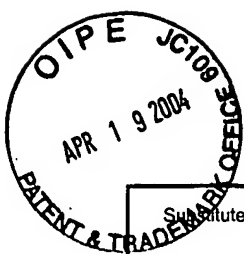
Substitute for form 1449B/PTO				Complete if Known	
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				Examiner Name	To Be Assigned
Sheet	3	of	4	Attorney Docket Number	18062G-002910US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
	48.	AELONY, D. et al., "Aminimides. IX. General synthesis of 1-substituted-2-imidazolidinones" (Abstract) J. Heterocycl. Chem., 9(3):687-90 (1972) & STN Database Accession No. 77:88393.		
	49.	BOGATYREVA, L. et al., "Wrinkleproof finishing of cotton blended fabrics" (Abstract) Khlopchatobum. Prom. 31(2):71-9 (1971) & Chem. Abstr., Vol. 78, No. 12, 26 March 1973, Page 66, Abstract No. 73517u.		
	50.	CHO, J. et al., "Effect of a dual function finish containing an antibiotic and a fluorochemical on the antimicrobial properties and blood repellency of surgical grown materials" Textile Res. J. 67(12):875-880 (1997).		
	51.	ECKHARDT, C. et al., "UV Protector for Cotton Fabrics" Textile Chemist and Colorist & American Dyestuff Reporter 32(4):21-23 (2000).		
	52.	HENNION, G. et al., "Substituted acetylenes. LXXXVI. Synthesis and reactions of some polysubstituted 2-imidazolidinones" (Abstract) J. Org. Chem. 32(9):2819-22 (1967) & STN Database Accession No. 67:90720.		
	53.	KEPING et al., "Laboratory Research on Shielding Effect of a Novel Conductive Cloth to Microwave Radiation" Journal of Electrostatistics 44:125-129 (1998).		
	54.	KIM et al., "Preparation of bis-quaternary ammonium salts from epichlorohydrin" JAOCS 73(1):67-71 (1996).		
	55.	KIM et al., "Dye Molecules as Bridges for Functional Modifications of Nylon: Antimicrobial Functions" Textile Res. J. 70(8):728-733 (2000).		
	56.	KIM et al., "Durable antimicrobial finishing of nylon fabrics with acid dyes and a quaternary ammonium salt" Textile Res. J. 71(4):318-323 (2001).		
	57.	KO, L. et al., "A Novel Detoxifying Pesticide Protective Clothing for Agricultural Workers" Textile Chemist and Colorist & American Dyestuff Reporter 32(2):34-38 (2000).		
	58.	OLDFIELD, W. et al., "The chemistry and pharmacology of a series of cycloalkanespiro-5'-hydantoins" J. Med. Chem. 8(2):239-49 (1965).		
	59.	PAYNE et al., "A durable antiodor finish for cotton textiles" Textile Chemist and Colorist 26(5):28-30 (1996).		
	60.	PEDREGAL, C. et al., "Etude de quelques derives N-3-substitues et N-1,N-3-disubstitues de la cyclohexanospirhydantoine" J. Hetero. Chem. 21(2):477-480 (1984).		
	61.	PIOTTUKH PELETSKY, V. N. et al., "Which IR search system is better for selection of unknown structure analogues?" (Abstract) ANAL. CHIM. ACTA, 396(1):99-103 (1999) & STN Database Accession No. 131:294929.		
	62.	RIGBY, A. et al., "Medical textiles. Textile materials in medicine and surgery" Textile Horizons pp.42-46 (1993).		
	63.	SCOTT et al., "The survival and transfer of microbial contamination via cloths, hands and utensils" J. Applied Bacteriology 68:271-278 (1990).		
	64.	SUN et al., "Durable and Regenerable Antibacterial Finishing of Fabrics: Biocidal Properties" Textile Chemist and Colorist 30(6):26-30 (1998).		

Examiner Signature		Date Considered	
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	65.	SUN et al., "Durable and regenerable antibacterial finishing of fabrics: chemical structures" Textile Chemist and Colorist 31(5):31-35 (1999).	
	66.	SUN et al., "Durable and regenerable antibacterial finishing of fabrics: fabric properties" Textile Chemist and Colorist 31(1):21-24 (1999).	
	67.	SUN, Y. et al., "Novel N-halamine polymeric biocides: synthesis and antibacterial activity of hydantoin-containing polymers" (Abstract) Polym. Prepr. (Am. Chem. Soc., Div. Polym. Chem.) 41(1):270 271 (2000) & STN Database Accession No. 133:79161.	
	68.	SUN, Y. et al., "Novel regenerable N-halamine polymeric biocides. I. Synthesis, characterization, and antibacterial activity of hydantoin-containing polymers" J. Appl. Polym. Sci., 80(13):2460-2467 (2001).	
	69.	YANG et al., "Durability of some antibacterial treatments to repeated home launderings" Textile Chemist and Colorist & American Dyestuff Reporter 32(4):44-49 (2000).	

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